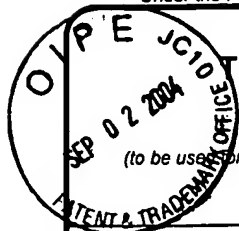


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**TRANSMITTAL FORM**

(to be used for all correspondence after initial filing)

|                        |                  |
|------------------------|------------------|
| Application Number     | 10/805,131       |
| Filing Date            | 03/19/2004       |
| First Named Inventor   | Bjoern Magnussen |
| Art Unit               | 2834             |
| Examiner Name          | Unknown          |
| Attorney Docket Number | ELLIP-007USB     |

Total Number of Pages in This Submission

**ENCLOSURES** (Check all that apply)

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Supplemental Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br><input type="checkbox"/> Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>see Remarks |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Remarks**

Form PTO-1449 (in duplicate); Copies of disclosed references (2 search reports + 35 foreign references); and a return postcard.

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Firm or Individual name | Lowell Anderson<br>STETINA BRUNDA GARRED & BRUCKER |
| Signature               | <i>Lowell Anderson</i>                             |
| Date                    | 8/27/04                                            |

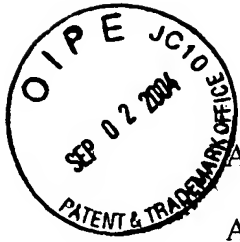
**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Washington, DC 20231 on this date:

|                       |                |              |
|-----------------------|----------------|--------------|
| Typed or printed name | Lisa Li        |              |
| Signature             | <i>Lisa Li</i> | Date 8/30/04 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|             |                                |   |                        |
|-------------|--------------------------------|---|------------------------|
| Applicants: | Bjoern Magnussen <i>et al.</i> | ) | Examiner: Unknown      |
|             |                                | ) |                        |
| Appl. No.:  | 10/805,131                     | ) | Group Art Unit: 2834   |
|             |                                | ) |                        |
| Filed:      | March 19, 2004                 | ) | Confirmation No.: 3151 |
|             |                                | ) |                        |
| For:        | PIEZOMOTOR WITH A GUIDE        | ) |                        |
|             |                                | ) |                        |

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. SECTION 1.97**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Dear Sir/Madam:

Pursuant to 37 C.F.R. § 1.97, the following Supplemental Information Disclosure Statement is submitted as listed on form PTO-1449 enclosed herewith in duplicate. Copies of all non-U.S. Patent disclosure documents are attached hereto for the Examiner's review.

The disclosure documents listed on the attached form PTO-1449 were printed in the English language and/or accompanied by an Abstract published in the English language. The relevance of any non-English language references is explained in the abstracts, and/or in the accompanied PCT search reports (for International Application Nos. PCT/EP01/03245 and PCT/EP02/10559), and/or by comments provided below:

DE 2530045 C2 describes a motor with a stator and a rotor where the stator has at least one piezoelectric resonator that has a friction contact to the rotor. The resonator has at least one piezoelectric that is attached to the parallel surfaces of the resonator. The piezoelectric element is connected to an AC-voltage source. The polarization of the piezoelectric element is perpendicular to the electrode surface. The dimension of the resonator is designed to have a longitudinal resonance that is close to the frequency of the

AC voltage. The resonator is in driving communication with the rotor, so that the contact to the rotor causes bending or transversal vibrations that together drive the rotor.

DE 3833342 A1 describes a piezoelectric motor providing two selectable driving directions and a holding mode, comprising one driving element (2, 33, 133, 233) that generates mutually orthogonal motion components (L, T) with selectable mutual phases ( $0^\circ$ ,  $180^\circ$ ,  $190^\circ$ ).

DE 3920726 C2 describes an ultrasonic oscillator 1 with piezoelectric elements 2. A resonator 4 is connected to the piezoelectric elements 2. The resonator has one or several slanted surfaces 9 wherein at the front end of resonator 4 elliptic oscillations are generated. The ultrasonic oscillator 1 can be used as a driver of a motor 20 that has a rotor 22.

DE 3309239 C2 discloses a piezoelectric motor with two resonators each having a separate resonant frequency defined by the dimensions of the respective resonator. The frequencies are sufficiently close to produce a mechanical phase shift in the resonators so that no electric difference of the input signal 8 is necessary.

DE 19928780 discloses a piezoelectric actuator configuration.

EP 0231940 A2 shows a piezoelectric drive used as a motor (Fig. 1) or mist generator (Fig. 2), and uses two masses (2 & 3) connected by a tube shaped part 6 that encloses the piezoceramic body 4.

EP 0643427 B1 has claims written in English. Claim 1 refers to an electric motor with at least one pair of transducers (1, 1', 2', 101, 102) each comprising a vibrating element. These transducers are located collinearly in order to generate longitudinal vibrations in the direction of the axis of alignment, in permanent contact via one of their ends with a support structure (70, 15, 24, 38, 39, 46, 51, 60, 66, 104, 107) and via the other one of their ends with an elastic coupling means (3, 3', 103) to which the vibrations of the two transducers are applied. The transducers are excited so that their vibrating elements vibrate at one and the same frequency, depending on the alignment of the transducers, but with a phase shift of  $90^\circ$ , and at least one element (4, 10, 11, 25, 36, 37, 49, 50, 62, 63, 106) frictionally driven by the coupling means whose zone of contact with the driven element is given a circular or elliptical movement, motor wherein the coupling means is an elastic component in contact at two opposed points with the

transducers, and exhibiting symmetry relative to a plane perpendicular to the line of action of the transducers and a section, along a plane containing this line of action, of at least approximately elliptical, particularly circular or semi-elliptical shapes.

SU 1278994 shows a mounting arrangement for vibratory motors.

An article by W. Krause and W. Schinkothe, titled "Lineardirektantriebe für die Feinwerktechnik [Direct-Drive Linear Motors in Precision Engineering]", which was published in *Feinwerktechnik & Messtechnik [Precision Engineering and Measurement Engineering]*, Issue 98, No. 7-8, Munich, 1990. It describes a piezoelectric linear motor.

No representation is made that the references disclosed herein legally constitute prior art, or that more relevant references are not available. The references listed herein, when taken alone or in combination, are not believed to disclose nor make obvious the invention as claimed in the subject application.

As this Information Disclosure Statement is being submitted before the stipulated three months from the filing date of the application and/or before the mailing of a first Office Action, it is believed that no fee is required. If any additional fee is required, please charge Account Number 19-4330.

Respectfully submitted,

Dated: 8/27/04

By: Lowell Anderson  
Lowell Anderson  
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FORM PTO-1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
ELLIP-007USBSERIAL NO.  
10/805,131SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTAPPLICANTS  
Magnussen *et al.*FILING DATE  
03/19/2004GROUP  
2834

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

| PATENT NUMBER | ISSUE DATE | PATENTEE                 | CLASS | SUBCLASS | FILING DATE |
|---------------|------------|--------------------------|-------|----------|-------------|
| 6563253       | 05/13/2003 | Diefenbach <i>et al.</i> |       |          |             |

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

|  |    | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|-----------------|------------------|--------------------------|-------|----------|-------------|----|
|  |    |                 |                  |                          |       |          | YES         | NO |
|  | 2  | DE2530045       | 07/04/1975       | Deutschland              |       |          |             |    |
|  | 3  | DE3833342       | 09/30/1988       | Deutschland              |       |          |             |    |
|  | 4  | DE3920726       | 06/24/1989       | Deutschland              |       |          |             |    |
|  | 5  | DE3309239       | 09/12/1991       | Deutschland              |       |          |             |    |
|  | 6  | DE4127163       | 02/18/1993       | Deutschland              |       |          |             |    |
|  | 7  | DE19507996      | 09/12/1996       | Deutschland              |       |          |             |    |
|  | 8  | DE19538978      | 11/21/1996       | Deutschland              |       |          |             |    |
|  | 9  | DE19920436      | 11/09/2000       | Deutschland              |       |          |             |    |
|  | 10 | DE19928780      | 01/04/2001       | Deutschland              |       |          |             |    |
|  | 11 | EP0231940       | 02/04/1987       | Europe                   |       |          |             |    |
|  | 12 | EP0518262       | 12/16/1992       | Europe                   |       |          |             |    |
|  | 13 | EP0313072       | 05/05/1993       | Europe                   |       |          |             |    |
|  | 14 | EP0569673       | 11/18/1993       | Europe                   |       |          |             |    |
|  | 15 | EP0712170       | 05/15/1996       | Europe                   |       |          |             |    |
|  | 16 | EP0725450       | 08/07/1996       | Europe                   |       |          |             |    |
|  | 17 | EP0643427       | 11/19/1997       | Europe                   |       |          |             |    |
|  | 18 | EP0924778       | 01/17/2001       | Europe                   |       |          |             |    |
|  | 19 | EP0951078       | 10/20/1999       | Europe                   |       |          |             |    |
|  | 20 | EP1089424       | 04/04/2001       | Europe                   |       |          |             |    |
|  | 21 | GB1510091       | 05/10/1978       | Great Britain            |       |          |             |    |
|  | 22 | JP62217880      | 09/25/1987       | Japan                    |       |          |             |    |
|  | 23 | JP1030467       | 02/01/1989       | Japan                    |       |          |             |    |
|  | 24 | JP2260476       | 10/23/1990       | Japan                    |       |          |             |    |
|  | 25 | JP02260582      | 10/23/1990       | Japan                    |       |          |             |    |
|  | 26 | JP04351200      | 12/04/1992       | Japan                    |       |          |             |    |
|  | 27 | JP06286401      | 10/11/1994       | Japan                    |       |          |             |    |
|  | 28 | JP08019275      | 01/19/1996       | Japan                    |       |          |             |    |
|  | 29 | WO9750134       | 12/31/1997       | PCT                      |       |          |             |    |
|  | 30 | WO141228        | 07/06/2001       | PCT                      |       |          |             |    |
|  | 31 | SU1278994       | 07/05/1994       | Former Soviet Union      |       |          |             |    |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

|                                                               |                                                            |                                       |                          |
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| FORM PTO-1449<br>(Modified)                                   | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO.<br>ELLIP-007USB      | SERIAL NO.<br>10/805,131 |
| SUPPLEMENTAL INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT |                                                            | APPLICANTS<br>Magnussen <i>et al.</i> |                          |
|                                                               |                                                            | FILING DATE<br>03/19/2004             | GROUP<br>2834            |
| (37 CFR 1.98(b))                                              |                                                            |                                       |                          |

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

|          |                                                                                                                                                                                                                                                                                                                                   |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 32       | Ragulskis, K. et al, <i>Vibromotors For Precision Microrobots</i> , p. 5-6, published by Hemisphere Publishing Corporation in 1988.                                                                                                                                                                                               |
| 33       | Krause, W. et al., <i>Direct-Drive Linear Motors Imprecision Engineering</i> , p.303-306, Issue 98, No. 7-8, published by Carl Hanser Publishing Company, Munich, 1990.                                                                                                                                                           |
| 34       | <i>Piezoelectric Ultrasonic Motors</i> , Jorg Wllaschek, Heinz Nixdorf Institut, Universitat-GP Paderborn, 33095 Paderborn, Germany 1/95                                                                                                                                                                                          |
| 35       | <i>PWM Driving Characteristics of Robot Hand with Fingers Using Vibration-type Ultrasonic Motors</i> , K. Nishibori, H. Obata, S. Okuma; Prodeedings of the EICON '97 23 <sup>rd</sup> International Conference on Industrial Electronics, Control, and Instrumentation; New Orleans, LA, USA; November 9, 1997; pages 1355-1360. |
| 36       | <i>New Type of Piezoelectric Ultrasonic Motor</i> , Maximilian Fleischer, Dieter Stein and Hans Meixner, Siemens AG, Research Laboratories, Otto-Hahn-Ring 6, D-8000-Munchen 83, West Germany 5/98                                                                                                                                |
|          |                                                                                                                                                                                                                                                                                                                                   |
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| EXAMINER | DATE CONSIDERED                                                                                                                                                                                                                                                                                                                   |

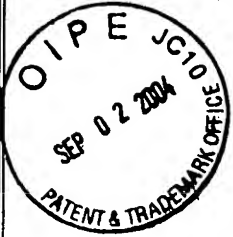
EXAMINER: Initial citation considered. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

Atty: Lowell Anderson  
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75 Enterprise, Suite 250  
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PATENTS\

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on August 30, 2004

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Lisa Li

(Typed name of person signing certificate)

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1. Transmittal
2. Supplemental Information Disclosure Statement
3. Form PTO-1449 (in duplicate)
4. Copies of disclosed references (2 search reports + 35 foreign references)
5. A Return Postcard